

# Notice of Allowability

Application No.

09/995,648

Applicant(s)

KIRKPATRICK ET AL.

Examiner

Kaveh Abrishamkar

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Request for Continued Examination (RCE) filed on 8/29/07.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

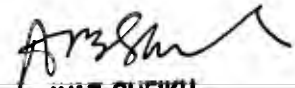
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 09/04/07.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



**AYAZ SHEIKH**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Scott Zimmerman (Reg. No. 41,390) on September 4, 2007.

The application has been amended as follows:

1. Claims 1, 12, and 22 are amended per this Examiner's Amendment.

Claim 1 (Currently Amended): A client-server computer system for use with web-based applications comprising:

a client computer system running one or more web browsers capable of processing web forms;

a web server communicating with the client computer system and providing validation services, the web server capable of processing Java code and web-based forms, the web server receiving a validation request from the client computer system that comprises data fields for validation;

a storage mechanism coupled to said web server, the web server validating the data fields with information compiled from said storage mechanism;

tables of validation rules stored in said storage mechanism, the validation rules changing the data fields to be validated from ASCII character strings, the validation rules also changing a validation function from checking between two integer values to checking for membership in a set, the validation rules comprising at least three hierarchically organized views, with each view utilizing an execution sequence of validation methods, the execution sequence designating an order of execution for the validation methods, and when a view has no validation rules, then a lower priority view's execution sequence is performed, the validation rules having a FIELD view as a highest priority such that a least amount of data fields are sorted by the FIELD view, and when a FIELD name occurs in a table, then the ~~for~~ highest priority validation is performed; and

the web server comparing the data fields to be validated to the validation rules, wherein each validation method compares validation values to the data fields.

Claim 12 (Currently Amended): A web server system comprising:

at least one web application;

means for performing validation service on data fields submitted by said at least one web application;

means for processing web forms;

means for storing and retrieving tables of validation rules stored in a storage mechanism, the validation rules changing the data fields to be validated to ASCII character strings, the validation rules also changing a validation function from checking between two integer values to checking for membership in a set, the validation rules

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comprising at least three hierarchically organized views, with each view utilizing an execution sequence of validation methods, the execution sequence designating an order of execution for the validation methods, and when a view has no validation rules, then a lower priority view's execution sequence is performed, the validation rules having a FIELD view as a highest priority validation such that a least amount of the data fields are sorted by the FIELD view, and when a FIELD name occurs in a table, then the for highest priority validation is performed;

wherein each validation method compares validation values to the data fields;

and

means for compiling the validation rules into said at least one web application in order to perform said validation service.

Claim 22 (Currently Amended): A computer-readable media with instructions executable by a processor for providing a validation application service for web-based applications, the media comprising instructions to:

couple a service request from a data device to a web server, the request including data to be validated;

generate a service session instruction, the service session instruction based at least in part on the service request;

sent the service session instruction to one or more web servers, the service session instruction corresponding to one or more data validation requests from said customer data device;

compile at least one page based on stored validation rules in a database, the validation rules changing the data to be validated to ASCII character strings, the validation rules also changing a validation function from checking between two integer values to checking for membership in a set, the validation rules comprising at least three hierarchically organized views, with each view utilizing a n execution sequence of validation methods, the execution sequence designating an order of execution for the validation methods, and when a view has no validation rules, then a lower priority view's execution sequence is performed, the validation rules having a FIELD view as a highest priority validation such that a least amount of the data fields are sorted by the FIELD view, and when a FIELD name occurs in a table, then the ~~for~~ highest priority validation is performed; and

send a validation service response to the data device, wherein the validation service response is based on the service request.

### **REASONS FOR ALLOWANCE**

1. Claims 1-22 are allowed.
2. The following is an examiner's statement of reasons for allowance:
3. The aforementioned claims are allowable over the Cited Prior Art (CPA), Sitaraman et al. (U.S. Patent 6,718,332) and Hitchcock et al. (U.S. Patent 6,460,042),

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does not teach or render obvious all the limitations in recently independent claims 1, 12, and 22, and the subsequent dependent claims.

4. The CPA does not teach a system, or computer-readable medium containing instructions which perform validation functions on data fields on web forms, wherein tables of validation rules, change the data fields to be validated to ASCII character strings, the validation rules also changing a validation rules also changing a validation function from checking between two integer values to checking for membership in a set, the validation rules comprising at least three hierarchically organized views, with each view utilizing an execution sequence of validation methods, and when a view has no validation rules, then a lower priority view's execution sequence is performed, the validation rules having a FIELD view as a highest priority validation such that a least amount of data fields are sorted by the FIELD view, and when a FIELD name occurs in a table, then the highest validation is performed.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kaveh Abrishamkar whose telephone number is 571-272-3786. The examiner can normally be reached on Monday thru Friday 8-5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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09/04/2007

  
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